

VALVES

ELECTRIC PBI THROTTLING VALVES

**PROVEN PERFORMANCE
WITH A SIMPLE LOW
MAINTENANCE DESIGN**



1" ELECTRIC PBI THROTTLING NYLON VALVE



323 ELECTRIC PBI THROTTLING NYLON VALVE

PRODUCT ADVANTAGES

- Durable, glass reinforced nylon construction provides superb hydraulic performance.
- Large internal water passage with no moving parts in the flow path prevents clogging.
- Built-in 2-Way Solenoid with low power requirement for ease of operation and reliability.
- Simple installation either vertically or horizontally.
- High resistance to corrosive water containing fertilizer and chemicals.
- Standard with a flow control (throttling) handle.

APPLICATIONS

- Small agricultural irrigation zones
- Greenhouse and nursery irrigation
- Cooling systems
- Ultra high flow or low flow capacity irrigation systems

SPECIFICATIONS

- Available Sizes: 1", 1 1/2", 2" and 323
- Maximum Working Pressure: 1" - 115 psi and 2" to 323 - 150 psi
- Maximum Water Temperature: 140° F
- Connections: Female Threaded NPT
- Electrical Specifications:
Voltage - Standard 24 VAC, 60 Hz
Inrush Current - 29mA
Holding Current - 14mA
Allowable Voltage Variation: 10%

MATERIALS

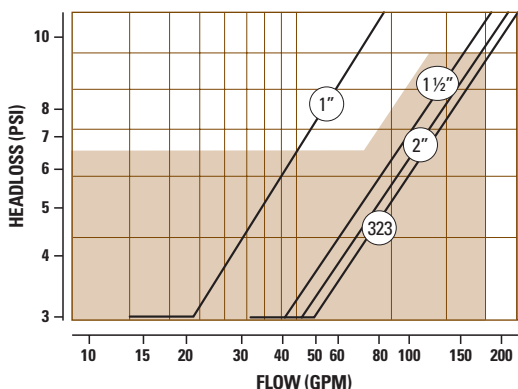
- Body and Bonnet: Glass Reinforced Nylon
- Spring: Stainless Steel (AISI 302)
- Nuts, Bolts, Washers: Stainless Steel (304)
- Diaphragm: Natural Rubber

ORDERING INFORMATION

SIZE	ITEM NUMBER	MODEL NUMBER
1"	71610-014015	61ET1PBI-BC
1 1/2"	71610-014040	61ET1.5PBI2-BC
2"	71610-014507	61ET2PBI2-BC
323	71610-015202	61ET323PBI2-BC

SOLD IN CASE QUANTITIES AND 24VAC ONLY
1" CASE QUANTITY = 20
1 1/2" AND 2" CASE QUANTITY = 8
323 CASE QUANTITY = 4

FLOW RATE VS. PRESSURE LOSS



LIGHT BROWN AREA INDICATES RECOMMENDED OPERATING RANGE.

FLOW RANGE

SIZE	GPM
1"	1 - 50
1 1/2"	1 - 125
2"	1 - 176
323	1 - 264

DIMENSIONS & WEIGHT

SIZE	LENGTH	HEIGHT	WEIGHT
1"	4 7/8"	4 7/8"	.5 LBS.
1 1/2"	7 3/8"	6"	2.0 LBS.
2"	7 7/8"	6"	2.2 LBS.
323	9 1/4"	6 5/8"	3.1 LBS.



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